

## Recommended Dosages of Hepatitis B Vaccine & Hepatitis B Immune Globulin (HBIG) Including Hepatitis B Combination Vaccines

	Single-Antigen Vaccines				Combination Vaccines		
Hepatitis B Vaccine Recipients	Engerix-B® (GSK)		Recombivax HB® (Merck)		Pediarix® (GSK)	Comvax® (Merck)	Twinrix® (GSK)
	Pediatric Formulation	Adult Formulation	Pediatric/Adolescent Formulation	Adult Formulation	DTaP-HepB-IPV (6 wks – 7 yrs)	Hib-HepB (6 wks – 59 mos)	HepA-HepB (18 yrs & older)
<b>Infants born to hepatitis B surface antigen (HBsAg) positive mothers*</b>	10mcg (0.5mL) <sup>1</sup> & (0.5mL) <sup>2</sup> HBIG within 12 hours of birth		5mcg (0.5mL) <sup>1</sup> & (0.5mL) <sup>2</sup> HBIG within 12 hours of birth				
<b>Newborns born to HBsAg unknown mothers*</b>	10mcg (0.5mL) <sup>1</sup> within 12 hours of birth; (0.5mL) <sup>2</sup> HBIG within 7 days if mom's status remains unknown or sooner if HBsAg-positive		5mcg (0.5mL) <sup>1</sup> within 12 hours of birth; (0.5mL) <sup>2</sup> HBIG within 7 days if mom's status remains unknown or sooner if HBsAg-positive				
<b>Newborns born to HBsAg - negative mothers*</b>	10mcg (0.5mL) <sup>1</sup> within 12 hours of birth or prior to hospital discharge		5mcg (0.5mL) <sup>1</sup> within 12 hours of birth or prior to hospital discharge				
<b>Infants 6wks &amp; older</b>	10mcg (0.5mL)		5mcg(0.5mL)		10mcg (0.5mL) <sup>1/3</sup>	5mcg (.5mL) <sup>1/4</sup>	
<b>Birth-19 years</b>	10mcg (0.5mL)		5mcg(0.5mL)				
<b>11-15 years<sup>5</sup></b>				10mcg (1mL) <sup>5</sup>			
<b>18 years &amp; older</b>							20mcg (1mL) <sup>6</sup>
<b>20 + years</b>		20mcg (1mL)		10mcg (1mL)			20mcg (1mL) <sup>6</sup>
<b>Dialysis patients</b>	10mcg (0.5mL)	40mcg (2mL) <sup>7</sup>	5mcg (0.5mL)	40mcg (1mL) <sup>8</sup>			

For specific prescribing information, precautions, contraindications, and specific dialysis formulations, refer to product inserts.

\***Newborns weighing less than 2000 grams** see [Hepatitis B Vaccine and Hepatitis B Immune Globulin Administration for Infants](#)

<sup>1</sup>**Hepatitis B vaccine** is strongly recommended at birth. This birth dose MUST be a single antigen vaccine. A 4-dose hepatitis B series is approved in conjunction with Pediarix® or Comvax®.

<sup>2</sup>**HBIG** (hepatitis B immune globulin) All infants born to HBsAg-positive women should receive (0.5mL) HBIG within 12 hours of birth. All susceptible contacts of an HBsAg-positive person, should receive a (0.06 mL/kg) dose of HBIG, within 7 days of a blood exposure, or within 14 days of a sexual exposure, along with the hepatitis B vaccine series.

<sup>3</sup>**Pediarix®** (DTaP, hepatitis B and IPV) - GlaxoSmithKline (GSK)'s combination vaccine used as an alternative to single antigens for administration at 2, 4 and 6 months of age. This combination vaccine is NOT to be given at birth. It may be given to any child between ages 6 weeks to 7 years of age for whom no antigen is contraindicated, and only as a primary series. (Primary series is considered first three doses of DTaP and IPV vaccines.) A 4-dose hepatitis B series is approved with a single-antigen dose of hepatitis B vaccine at birth followed by 3 additional doses of hepatitis B vaccine.

<sup>4</sup>**Comvax®** (hepatitis B and Hib) - Merck's combination vaccine used as an alternative to single antigens for administration to any child 6 weeks to 59 months of age at 2, 4 and 12-15 months of age when neither antigen is contraindicated. This combination vaccine is NOT to be given at birth. A 4-dose hepatitis B series is approved with a single-antigen dose of hepatitis B vaccine at birth followed by 3 additional doses of hepatitis B vaccine.

<sup>5</sup>**Adolescent 2-dose series** - Merck's 2 dose adult Recombivax HB® (10mcg, 1 ml) used only for adolescents 11-15 years of age administered at 0 and 4-6 months apart. If this 2-dose regimen is used, documentation must indicate adolescent received 2 adult (10mcg, 1ml) doses of the Merck brand. If child starts hepatitis B series prior to age 11, between the ages of 11 and 15 with a hepatitis B vaccine other than adult formulation of Merck product, or completes series after age 15, a 3-dose series should be administered. *This specific use of vaccine is not included in VFC program.*

<sup>6</sup>**Twinrix®** (hepatitis A and hepatitis B) – GSK's combination vaccine used as an alternative to single antigens for persons 18 years of age and older at 0, 1 & 6 months when neither antigen is contraindicated.

<sup>7</sup>**Engerix-B® dialysis formulation** is approved for adult hemodialysis patients 20 years and older by using 2 x 20mcg/1mL at one site in one or two injections at 0, 1, 2 and 6 months.

<sup>8</sup>**Recombivax HB® dialysis formulation** is approved for pre-dialysis and dialysis patients in a three dose series of 40mcg/1mL at 0, 1, and 6 months.